P.D.E. Magazine

THE PUBLIC DOMAIN EXCHANGE

Spring 1989 $3.00

Apple II Software

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New Test Maker for Educators. *Page 14*

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Spin the Wheel and win your Fortune. *Page 7*

About the Public Domain Exchange

The Public Domain Exchange offers a complete source of public domain and shareware software for the Apple II and Macintosh computers. PDE collects individual programs from authors and other sources around the world, compiles these on disks, and makes these available to the public at a price they can well afford. We have accumulated a long list of satisfied users from small businesses, major corporations, educational institutions, and households.

PDE takes pride in publishing books on Apple II and Macintosh public domain and shareware software. Available from leading bookstore chains or directly from us, these books are detailed accounts of all programs in our library and are well-indexed to aid the user in locating his desired applications. We also publish quarterly magazines to update users on incoming new programs. Our magazine also contains reviews on programs, hints and tips for users, and interviews with shareware authors.

Once you have one of our disks, we want you to be able to use it. Our technical support team is available to answer your every question, from the most trivial to the very difficult. We may not always have ready answers when you call but we are willing to get them for you.

At PDE we take a bite out of high-priced software. Write or call us and find out how you can get more out of your software dollar.

What is public domain, shareware and user-supported software?

Public domain software is not copyrighted and comes from authors who choose not to seek formal rights or royalties to their creations. It is free to be used by all with few or no restrictions. The major part of PDE's library fall under this category.

Shareware or user-supported software, on the other hand, may or may not be copyrighted and is a means for authors to directly retail their products to the users without entailing marketing, promotional, and packaging costs. This allows you, the user, to obtain high-quality software at a fraction of its commercial cost. In obtaining shareware products from PDE, you do not yet become a registered user of the software. You are encouraged to examine the program to see if it fits your needs. You are also free to pass it around to friends for them to do the same. If the program does become a part of your regular computing agenda, you are asked to register with the shareware author. This will involve paying directly to the author, a shareware fee, sometimes as low as $5. The author's name and address is always contained on the disk. In many cases, you will get full documentation, technical assistance from the author, and free updates when you send in this fee.

Thanks to shareware, everyone wins at the software marketing game. The authors are provided inexpensive distribution of their products, and the users get a no-pressure, try-before-you-buy method to obtain commercial-quality software.

Announcements

Apple IIGS

SOUND STUDIO has been added to all the IIGS sound disks to allow users to listen to the sounds and determine their playback rate. As such, STARTSOUND and SYSBEEP have been taken off GS17, 18 and 19 to make way for this application. STARTSOUND and SYSBEEP, however are still available on GS16.

Towers of Hanoi has been pulled from Disk GS15 due to some bugs in the system. It has been replaced by a hi-res Blackjack game.

Five more Music Construction Set songs have been added to GS10.

Disks GS47 and GS48 have been pulled from the library.

Macintosh

The author of KARTH OF THE JUNGLE on Disk 217 has added a second adventure to the saga of Karth. This will now be a double-sided disk.

Mac II

IMAGE on MII 9 has been updated to a new version .92.

GREYVIEW on MII 2 has been updated to version 1.9.

Credits

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A+ Editor's Choices – The Best of IIGS!

Six excellent public domain and shareware programs for the Apple II were reviewed by A+ Magazine editor Owen Linzmayer in their February, 1989 issue. They are all available from the PDE library: WHEEL, ICONED, BOUNCE-IT!, CONTROL PANEL NDA, F1 RACE, and VIEWER.

WHEEL, on Disk GS86, is a simulation of the popular game show "Wheel of Fortune." This disk also comes with Super Hi Res versions of Klondike Solitaire, the popular Yahtzee, and a word scrambling game – DAZZLERGS.

ICONED, on Disk GS87, is used to create or edit icons for your IIGS desktop – an ideal way to personalize your machine! For more detailed reviews on GS86 and GS87, see the New Apple IIGS section.

BOUNCE-It! on Disk GS27 is one of the most popular IIGS games in the PDE library. With a paddle and a bouncing ball, your goal is to destroy all blocks on the screen by hitting them with the ball. Clearing all blocks advances you to the next level, which has faster balls and smaller paddles. Other games such as SUBMARINE, DESTROYER, SIMON SEZ, and FOUR IN A ROW also contain Super Hi Res graphics and sound – enough reasons why you should have this disk.

CONTROL PANEL NDA on Disk GS85 gives access to the Control Panel from the Apple menu – Mac-style! You can now change slot settings, modify the size of the RAM disk, or set input device repeat rates by using the mouse. But that's not all! Other less famous, but equally useful desk accessories on this disk provide an alarm clock with snooze bar, place a ruler across the screen for handy measurement, allow you to manipulate other DAs in memory, and many more.

F1 RACE on GS58 is a high speed car racing game similar to the arcade Formula 1 racing games. You are racing against time and other speedsters while avoiding collisions and monitoring your fuel level. Beware of obstacles that randomly appear on the race track – this can spell the difference between victory and defeat! (Shareware, $15 to be sent to author after purchasing from PDE)

As its name implies, **VIEWER**, on Disk GS88, loads and displays hi res graphics in seconds. Well documented, VIEWER is easy to use and lends itself to be modified as a subroutine of other programs.

All six disks listed above are available at their regular price of $9 each. Or you can take advantage of this special one-time offer and **order all six reviewed disks for only $29.95.**

Send in your contributions and support shareware authors!

GS87 ICONED

BY PAUL ELSETH

Part of the reason the Finder on the IIGS makes file manipulating so easy is its unique picture oriented interface. Instead of dealing with abstract names and file types, users were finally able to relate disk files with familiar pictures. Along with this welcome technology has come the demand for the ability to edit these icons into even more familiar and creative forms.

If you've been itching to change the IIGS Finder's icons into something a little more exciting, then ICONED is exactly the program you're looking for. Individualize any of the icons to better meet your personality or help make the System more intuitive. It will give you total creative control over the icons in the Finder. On the IIGS, icon files for the Finder are contained in the icon folder on your startup disk. The icons themselves are contained in these files.

ICONED gives you complete access to any icon files and lets you edit the icons within to your heart's content. You can even create completely new icons for your own use. Icons can be viewed and edited in either their large or small icon configuration. Editing icons involves using a "Fat Bits" drawing area. You set the size of the icon and the color of its mask. You can then shape your icon, pixel by pixel, using any of sixteen colors until it is exactly as you want it. When you are done, the icon files can be saved to disk.

A very useful feature of this system is that it can help you make your Finder easier to use, and therefore make you more productive. ICONED is included on disk GS87 with a number of other useful utilities. Get your copy of this extremely useful program now and turn your Finder into a real work of art.

Shareware Donation: $15
(send to author after purchasing from PDE; author's address is on the disk)

Note: This disk can be purchased separately for $9 or is included as part of the IIGS Editor's Choice set.

Desk Accessories

GS85 CONTROL PANEL DA

A disk packed with useful Desk Accessories for your IIGS. Included are four CDA's and fifteen NDA's. Highlighting this NDA collection is CONTROL PANEL.NDA. Like its predecessor on the Mac, it uses a full mouse interface to manipulate the System settings of the computer. Most of the features of the main control panel are supported here, and some new functions are implemented. A great CDA is CDATERM, which offers you a simple modem terminal in a very convenient form. Also, if you like NDA's, and don't like how the Finder will only allow a certain number of them on the screen at once, TWO APPLES will allow you to use two Apple menus at the same time — twice the available NDA's! Other desk accessories include an ALARM CLOCK, a CHRONOGRAPH, and a CDA to change the settings of your Imagewriter II. An application is also included for activating and deactivating DA's on your System disk.

Fonts

GS69 Foreign Fonts

Spice up your documents with the beautiful, and sometimes strange fonts on this disk. MARIE and CITY are simple-looking fonts, while DOTS and MCCLOUD stretch the limits of readability. For engineers, ELECTRONICS may be handy, but almost anyone can use BORDERS for drawings and documents. Introduce foreign flavor into your work with ARABIC, LOTHLORIEN, or KLINGON. *

GS70 Artistic Fonts

Add a creative touch to your artwork or correspondence with this set of fonts. OXFORD provides eye-catching headlines, while GIANTS has a three-dimensional look. INGOT DECO conjures visions of huge steel mills and MOSCOW displays Russian characters. *

GS71 SIGMA BOLD

This collection of 32 fonts is highlighted by the SIGMA and SIGMA BOLD fonts with clean, non-serifed lines that will stand out in your documents without sacrificing readability. Try the long swept lines of STILETTO, the classy script of TOKYO, or the futuristic type of SILICON VALLEY. STATES

contains the outlines of all fifty U.S. states, while pictures of toys can be found in the TOYLAND fonts.*

*These fonts can only be used by programs such as GS Works™, Paintworks Plus™, or CHEAPPAINT (PDE Disk GS63) which employ the use of fonts.

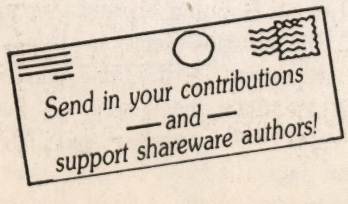
Games

GS86 WHEEL OF FORTUNE

Spin the wheel and try to guess letters of phrases in this computerized version of the "Wheel of Fortune" television show. If you correctly guess any letter, an animated hostess will saunter across the stage and reveal the letter to you. Be the first of three human or computerized contestants to solve the complete puzzle, and you will collect a cash prize! The contestant who has collected the most money after three rounds wins the game.

Spin the wheel and try to guess letters or phrases . . .

The entire game is presented in colorful double hi-res graphics. It's very simple to operate and includes on-screen instructions. Also included is a Super Hi-Res version of the YAHTZEE dice game, a challenging SOLITAIRE game, and a game of unscrambling letters into words — DAZZLER. At least 512K is required to run these programs.



Graphics

GS66 BLIZZARD

Stunning super hi-res graphics like BLIZZARD, a chilling winter scene; and DEATH, a grim picture of a skeleton and unicorn. Vanna White, Samantha Fox and Elizabeth Taylor will grace your screen in living color along with super party dog Spuds McKenzie. Mystery is the theme of MONGO, a strange collage of a face; while space fantasy is depicted in TRANSFORMER and TROI.

GS67 SPINNING.GS

Two eye-catching color Super Hi-Res animations — a IIGS computer spinning and a butterfly flapping its wings. Both will definitely amaze you with their clarity and beauty. Included is the application ANIMATION.VIEW which allows viewing of animation files that are created with Paintworks Plus™ such as these. You can even speed up or slow down the play rate of the animations.

GS76 Juggler Animation

Dazzle your eyes with six Super Hi-Res animations. Make them come to life using the included animation viewer or Paintworks Plus™. The most spectacular one, JUGGLER, is a conversion of the Commodore Amiga™ advertisement with a robot juggling three mirrored spheres. It has been faithfully converted to the IIGS format and will force you to keep your eyes glued to your monitor for quite a while. Also

included are great animations of a DRAGON spewing smoke and fire, an angelfish blowing bubbles, an animation of Saturn's rings spinning and more.

GS77 1988 Election Scrap Book

This collection of Super Hi-Res graphics contains digitized black-and-white photographs of the main players in the 1988 Presidential Election. See Bush, Dukakis, Quayle, and Bentsen in all their campaigning glory. Also included is a selection of

See Bush, Dukakis, Quayle, and Bentsen in all their campaigning glory.

past American presidents, including John F. Kennedy, Abraham Lincoln, and recently retired President Ronald Reagan. There are also pictures of a building being demolished, a ripe red apple, and everyone's favorite television comedian, Bill Cosby.

US.FLAG.SHR, PDE Disk GS78

GS78 Symbols of America

This disk of Super Hi-Res pictures features symbols of America that are familiar to us all. A bald eagle on our one dollar bill, a U.S. passport, the treasury, a 25 cent stamp, Mickey Mouse, a converted fighter plane, and of course our United States flag, are just some of the included pictures that will delight any patriotic citizen. Other stunning selections include a collage of candies, a can of Pepsi, and a solemn swan.

GS79 Waterfall

This disk contains thirteen black-and-white digitized pictures, one being an interesting photo of an oil drop water timer, WATERFALL. There are also pictures of great human creations like the Eiffel Tower, the statue of Pharaoh Rameses in Egypt, or the greatest gift to architecture — an American two-story tract house. Logos from the Seoul Olympics, the Boston Celtics, Heidelberger Beer, and the Florida Beach Club are also included.

Note: These pictures can be viewed with the included SHR.CONVERT program. If you want to print or edit them, a picture editing program such as Cheap Paint (GS63) or Paintworks Plus™ is required.

Music

GS72 Patriotic Songs

This collection of 43 Music Studio™ songs contains some classic patriotic songs like "Anchors Aweigh," "Yankee Doodle Dandy," "This Land is Your Land," and a more contemporary selection — "Born in the U.S.A." Other popular selections include "Uptown Girl" and "Always a Woman" by Billy Joel. The television themes to "Happy Days," "Perry Mason," "CHIPs," and "Mission Impossible" are also included along with the ragtime classics "The Entertainer" and "The Maple Leaf Rag." The Music Studio™ application is required to listen to any of these selections.

Personal Productivity

GS68 ADDRESS MANAGER

Here are four productivity utilities that can help you fully utilize your computer and perform other tasks to organize yourself. ADDRESS MANAGER is a filing program that allows you to enter, edit, and print your own personal address book. You can customize this program to meet your specific needs. CLIPLIB allows you to create files full of clip art from uncompressed Super Hi-Res pictures. These pictures can be accessed inside other programs via CLIPLIB's desk accessory. This is a must for IIGS artists and desktop publishers. Also included is a program for printing cassette labels, and one that checks certain files on your computer for errors.

Sounds

GS74 MR. ED

This collection of digitized sounds is highlighted by the theme from the "Mr. Ed" television show. Also included are a couple of sound files which contain words which may be unsuitable for younger ears. Bill Cosby can be heard screaming some gibberish about COKE, while you can hear a man belittle his friend's mental capacity in DUMB. If you are in the mood for making your computer sound sick, use the COUGH file included on this disk. The program SOUND.STUDIO is included to play these sounds. The files are also suitable for use with STARTUP.SOUND and BEEPSOUND (PDE GS16).

GS75 "WarGames"

This collection of sounds contains classic lines from the movie "Wargames," including the computer's erie request "Do you want to play a game?" There are also a number of other sound files including a classic line from the movie "2001: A Space Odyssey," a blurting of the "Hallelujah Chorus," and Bill Cosby saying "Hey man pass that over here." If you are wondering about what sex your computer is, SEXYVOICE will lay your doubts to rest. The program SOUND.STUDIO is included to play these sounds. The files are also suitable for use with STARTUP.SOUND and BEEPSOUND (GS16).

Utilities

GS73 FUNKEYS

Utilities to help you become more productive on your IIGS! FUNKEYS gives you function keys, much like those on Macintosh's and IBM's. Now, by pressing a key, you can save your Super Hi-Res screen, dump a screen of text to a printer, shutdown the computer, or eject disks. There are also many other functions which FUNKEYS makes available to you. DIGICOPY.GS is a utility that will copy almost any kind of Apple disk quickly and easily — even CP/M and Pascal disks! You can mass produce disks as well as optimize them so they operate more efficiently after copying. DIGIPACK.GS allows you to compress files and disks into files which are perfect for transferring over modems. PRINTBUF is a group of programs which allows you to specify the size of the IIGS's built-in printer buffer. And if you are sick of having to use the Finder to select and launch programs, use SQUIRT16, an easy and extremely quick Finder alternative.

Apple IIGS Reflections — $9 per disk

Here is a recap of disks reviewed in previous bulletins.

Note: Some of these disks may contain shareware programs. All shareware software in our library contain the name and address of the author and the amount requested, on-disk.

Communication

GS6 FreeTermGS telecommunications: rated A+ Magazines's 1987 "All Stars", needs 512K.

Desk Accessories

GS2 Classic Desk Accessories — Notepad, Calendar, Diskinfo.

GS3 More DA's! Setspeed, Setslot, Picsaver.

GS4 Watch your screen melt! Display time & date, plus 5 other New DAs. ★***Best Seller***

GS29 Over 20 DA's: Screen dumps; get a calendar from the Apple menu; send type to printer after a carriage return, file info like file type, date created and modified; also funny DAs.

Fonts

GS14 Egyptian characters, Greek letters, American Sign Language hand signs, a reverse shaded font, and a candy striped font.

GS57 Classic Fonts that are perfect for everday word processing like Century Schoolbook, Boston II, N Helvetica Narrow. Or more decorative fonts like Calligraphy, Circus, Tombstone, Cactus Deco. Or if you're writing in classical languages try Greek and Hebrew.

Games

GS15 Blackjack, OTHELLO, plus more.

GS27 BOUNCE IT! — IIGS version of Little Brick Out. Also SUBMARINE, DESTROYER, SIMON SEZ, and FOUR IN A ROW. ★***Best Seller***

GS28 Mean 18™ golf courses: narrow fairways and treacherous sand traps, even a golf course on a beach! Requires Mean 18™ for use.

GS36 Mean 18™ golf courses. Some really wild holes here! Mean 18™ required for use.

GS37 More Mean 18™ courses from the simple to the bizzare with giant sand traps and remote greens. Requires Mean 18™ program. ★***Best Seller***

GS46 Six more challenging golf courses for use with your Mean 18™, from the mythical to the nearly impossible. Overcome bodies of water at Restless Cove, or play the mythical and nearly impossible game of Sunava Beach Golf Course.

Graphics

GS7 Dazzling graphics: SANTA PIC, NEW ENTERPRISE, WORLD map, plus more. *

GS8 ASTRONAUT, JUPITER, SATURN, ERNIE from Sesame Street plus more. *

GS9 MAX HEADROOM, people from MOONLIGHTING, ALIEN, plus more. *

GS22 Super hi-res pictures of CHAMPAGNE glasses, SKYHAWK aircraft, a Frank and Ernest cartoon, plus more. *

GS35 Exceptional graphics — CHALLENGER Space Shuttle, BUGS.BUNNY, BUTTERFLIES. * ★***Best Seller***

GS38 Graphics from Bloom County, Garfield. A GORILLA and BULLDOG sneer at you in fine detail. *

GS39 Mickey Mouse, Thumper, King Tut, Mona Lisa, Spock and Captain Kirk. * ★***Best Seller***

GS40 Dazzling graphics: Mickey Mouse and Pluto, a nice coastline, butterflies, and CAVEMEN. *

GS41 Super Hi-Res photos of famous people: Reagan, Gorbachev, Ollie North, Marcos, and the Royal Family. *

GS42 Incredible color pictures of dragons, a classic Mercedes, the Lost Ark of the Covenant and more. *

GS43 From the beautiful Vanna White to the ugly Bill the Cat and the powerful cougar, plus a cowboy and The America's Cup. *

GS44 FRACTAL patterns, GEISHA, Dr. McDuck from Looney Toons. * ★***Best Seller***

GS45 Superb Super Hi-Res graphics like a Mazda RX7, SWORD, SPACE.TRAIN, George Bush, Ronald Reagan. *

GS52 Twenty-nine black and white pictures of motorcycles, cars, and car logos, Bloom County cartoons, scenes from Star Trek, and more.

* All graphics disks come with SHRCONVERT which allows for viewing (not printing) of these files. To print or edit, a IIGS graphics editor such as Paintworks Plus™, Deluxe PaintII™ or CHEAPPAINT (PDE Disk 63) is required.

Graphic Utilities

GS5 Graphic utilities: convert picture formats from other computers which have been transferred to ProDOS to IIGS format. Also convert MacPaint files to GS. Needs 512K RAM minimum.

GS31 Five animation files for Paintworks Plus™. Also a Super Hi-Res slide show program.

GS32 Edit Finder icons with new, distinct, color icons. SHRCONVERT and a quick graphic viewer also included. ★*Best Seller*

GS49 Demonstration version of Baudville's 816 Paint™ Super Hi Res editing program. Only print and save functions are disabled. Create circles, retangles, lines, and curves. Edit the color pallete and much more!

GS63 CHEAPPAINT — a fully functional Hi-Res paint program with pencil/paintbrush allowing you to draw freehand in six brush shapes. Tools for lines, circles, rectangles, squares, arcs, curves, and polygons are included. Includes 16 user-definable colors; 16 user-definable patterns; animation; cut, copy, and paste; enlargment of an area for detailed work; and the ability to work on two separate canvasses at once. Supports additional fonts. Prints. (768K RAM Required.) ★*Best Seller*

Icons

GS32 Customize your desktop with new icons like a colored brush for graphics files, and a toilet bowl instead of the trash can. Also a program to view graphic files quickly.

Music

GS10 Songs: Beethoven, Beatles, plus more, for use with your Music Construction Set™ (not included).

GS13 Songs: Bach, Beethoven, Chopin, Sound of Music, SEPTEM.SNG for use with your Music Studio™.

GS21 Songs like Led Zeppelin's "Stairway To Heaven," Van Halen's "Jump," or theme from Broadway hit "Annie" for use with your Music Studio™.

GS50 TV themes like "Hill Street Blues" and "St. Elsewhere" are just a few of the 40 songs that are included on this music disk. Also included are "Rhapsody in Blue," a Mozart selection, and the Beatles' "Strawberry Fields Forever" — all to play with your Music Studio™.

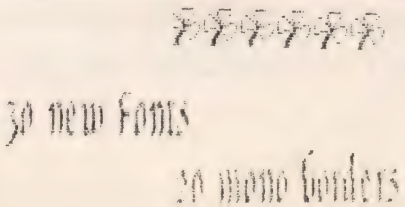
GS51 Christmas classics like "Jingle Bells," "We Wish You a Merry Christmas;" Bach; Beach Boys; Beatles "Sgt. Pepper's Lonely Hearts Club" for use with your Music Studio™.

Print Shop Graphics

The following disks full of graphics are for use with your Print Shop GS™.

GS61 170 color and black and white graphics of holidays, Apple computers, and cartoon characters like Popeye and Olive, Dagwood and Blondie and Porky Pig. Also included are pictures about transportation like road signs, jets, and trains. ★*Best Seller*

GS62 Thirty fonts ranging from the simple to the elegant; twenty color borders; twenty black and white borders; and pictures for your greeting card messages — like a rainbow, the Apple logo or beer and pizza. ★*Best Seller*



Programming

GS24 ECP-16: Control the ProDOS 16 environment via a comand line processor instead of the memory-grubbing DeskTop.

Sounds

GS16 Sound utilities and sound files that replace the "Boing!" sound with a lady's scream, "Freeze!" or a Beach Boys introduction. ★*Best Seller*

GS17 Sound files that amaze and dazzle: a machine gun, excuses from PeeWee Herman and Curly of the Three Stooges.

GS34 Demonstration version of Music Studio™ with plenty of sample songs like TANGO, RAGTIME and HARMONY.

Utilities

GS1 Diversi Utilities: Diversi-Cache (shareware, $35), Diversi-Copy (shareware, $30), Diversi-Key (shareware, $45), Diversi-Hack 1.6. Needs 512K RAM minimum, 1 meg RAM optimum. Shareware donations for these programs are to be sent to the author after purchasing from PDE. Author's addresses are on disk.

GS30 SOUND STUDIO allows you to hear sound files (Disks GS16,17,18, and 19) without installing them. CHAM.SYSTEM converts files between Pascal, DOS, ProDOS, and CP/M. STARTPIC adds color to the startup process by booting up a color graphics file of your choice. Includes 30 colored Print Shop graphics. ★*Best Seller*

GS31 Animation files to use with your PaintWorks Plus™, like Marvin abusing his computer, Star Trek blasting a Klingon warship, Garfield working on his sunburn, more.

Authorized PDE Dealerships

Yes, that's right—we have opened up our Apple II and Macintosh libraries to dealers throughout the world. Retailers who wish to offer our software line as a service to their customers should contact Judy Rosenthal or Brad Ashcraft at The Public Domain Exchange, Telephone (408) 496-0624.

Here is a list of our authorized Dealers:

J.M. Systems Co.
John Molnar
43 Sunset Drive
Huntington, NY 11743

P.V. Computer Center
2217 Thornwood Lane
Le Claire, IA 52753
(319) 332-6229

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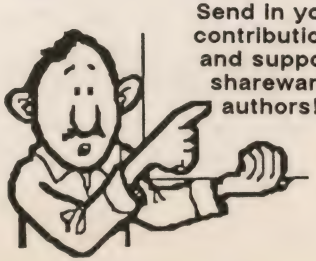


Send in your contributions and support shareware authors!

disk 832
ATP-PRO

by Jim Elliot

Lately there has been a real drought of good, easy to use, public domain modem terminal programs. Most commercial software either costs more than $100, or leaves quite a bit to be desired. Luckily, ATP-PRO is now available to solve this software dilemma. For a small shareware fee, you can own a terminal program that is not only easy to use but also offers a full range of expandable functions.

One of the most useful extensions of the program is the keyboard macro facility. Using the included macro editing utility, you can define keyboard macros, which can be called while you are communicating with other computer systems. You can save time by replacing long commonly-used entries with pre-defined macros.

Another feature for experienced users and programmers is the segment section of the program. These segments are extensions to the program which can use all of the procedures of the ATP-PRO program. If you are experienced in programming in machine language, the extensions you can create are unlimited.

VT52, VT100, and ADM3A terminal emulation is also available in this program. The unique Chat function allows you to talk to other users without having your text run into each other's. New users of ATP-PRO will find the complete on-line help files indispensable. The files document all of the features of the program without having to use another program to view them. The ability to transfer files has not been implemented in this program yet, though registered users are promised an upgrade soon. Order now and get your Apple communicating.

Shareware donation: $15
(send to author after purchasing from PDE, author's address is on disk)

. . . a terminal program that is not only easy to use but also offers a full range of expandable functions.

Education

815 Apple For The Teacher

Drills and games for the young mathematician. There are five games of numbers, and four more using basic mathematical skills applied to everyday life. APPLE BARREL asks you to find the number of apples in a barrel. The four other games involve finding the intersection of lines; finding the values of common currency and making change; and using the four basic mathematical functions while being given clues by the computer. Finally, there is VOICE PRINT, which with the aid of a tape recorder will allow the computer to print and analyze the voice patterns of humans. This is useful in teaching the hearing impaired. For ages 8 to 12.

818 CREATE-A-TEST

CREATE-A-TEST is a menu-driven, integrated system for creating True/False, Multiple-Choice, Fill the Blanks and Word Matching tests. For each type of test, the teacher inputs his question with the corresponding correct answer. Options are provided for editing the test questions, deleting question files, and adding questions to a test file. The test itself may be taken on-screen or may be printed out. If taken on the screen, scores are monitored with comments on how well (or poorly) the student is doing with the test. If the teacher elects to print out the the test, he has the option of printing the answer key along with it. This program can run on either one or two disk drives. Many sample test files are provided to give the user an idea of its capabilities. CREATE-A-TEST has extensive step-by-step documentation that will enable even a first-time user to create a test in minutes!

Electronics

824 Digital Electronics

The raw basics and fundamental topics of electricity and electronics are covered on this informative tutorial and games disk. Start by learning the meaning of different electrical units and how to convert between them. Test your knowledge of this in a supplied test or in a game where you have to guess a certain number while the units change randomly. Learn how to read color codes on resistors and the method for using scientific notation. When you have mastered all these, you can learn about bridge rectifiers and digital electronics. The information supplied is very basic, though it will prove to be a great start for any budding electrical engineer or hobbyist.

Games

811 BERZAP

Run through an electronic maze, blasting robots while avoiding the deadly walls and the robots' deadly lasers in the exciting arcade game, BERZAP. Your mission is to escape without being killed by your foes. As you are running about shooting, don't take your time in any room or else a bouncing happy face will smash your hopes of escaping this seemingly impervious fortress. This game is in full high-resolution color and will run on any Apple II computer. Keyboard and joystick controls are supported, and so is the Mockingbird™ line of sound enhancers.

Author: Infinity Limited
Shareware Donation: $15
(send to author after purchasing from PDE, author's address is on disk)

813 FLIP IT

Four realistic computerized pinball games. Don't be lulled by MAXX MACHINE'S plain configuration — bumpers abound throughout the machine! Ball plungers and a ball stealing trap make scoring difficult in SUPERBLAST. Eight flippers provide wild ball control in MAXX'S MADNESS, while FLIP-IT has two isolated playfields with four flippers.

814 Monopoly™

This disk contains a fully implemented double hi-res version of the popular Monopoly™ board game. Just like the original, you can buy, sell, and auction properties, go to jail, and literally drive your opponents into bankruptcy. All banking aspects of the game are handled by the

. . . buy, sell, and auction properties, go to jail, and literally drive your opponents into bankruptcy.

computer, leaving you free to plan your strategy and enjoy collecting rent. Up to ten players can play at a time. An extended Apple IIe with at least 128k, or an Apple IIc, or IIGS is required.

820 GOLF

Rub elbows with the pros in GOLF, a graphics-oriented golf game that allows you to design your own course. Specify the position of the tee, green, sandtraps, trees, roughs, and water. You can determine "par" by moving the golf ball along the fairway. By wisely choosing the right clubs and using the keys to vary the direction of the stroke, you can swing your way to a championship. Also on this disk is NIBBLE 500, a three-level car racing game that progresses from wide roads and sweeping turns, to narrow race tracks with obstacles and sharp turns. You can

. . . a graphics-oriented golf game that allows you to design your own course.

use either the keyboard or a joystick to maneuver the car and change speed, but don't run out of fuel! Ward off the attack of a fierce Indian band on your covered wagon in WESTWARD.HO (needs joysticks).

829,830,831 QUESTS OF CIMMARON

Welcome to the Land of Cimmaron! Your noble task is to restore order to this land by getting rid of the Dark Raiders. Go to the King's camp and obtain his ring, which has magical powers that can save you from certain death. Finding the Talisman of Death and the Gem Sword of the Ages are two quests you have to hurdle to accomplish your mission. Watch out for the mean ogre, who is waiting in the wings! However, you can consult the soothsayer for some friendly advise. QUESTS OF CIMMARON is a three-disk hi-res adventure game package that includes an adventure creator which lets you create your own characters. After creating the adventurers — each of whom has distinct characteristics, strengths, and weaknesses — you are now ready to organize your campaign group and venture forth into the Land of Cimmaron. An Apple II with at least 64K memory and a joystick is needed to run this game. (3 disk set)

Author: SJS Software
Shareware Donation: $9.95
(send to author after purchasing from PDE, author's address is on disk)

841 TOMB OF DOOM

Those of you who are squeamish or faint of heart — steer clear of this game disk! In TOMB OF DOOM you try to fight your way out of a cavern by destroying pesky spiders, bats, and rats. BEE CRUNCH is a two-player shoot-'em-up type arcade game. Your job is to eliminate bees, snakes, and frogs which have run amok in your bee farm. Try to take aim and blast a hyperactive square in ELUSIVE SQUARED. Finally, there is REVENGEFUL RABBIT, which pits your white, fluffy, herbivore against a sadistic vegetable juggling clown. Try to shoot vegetables out of his hand, and they change into other goodies. Watch out for his bunny-stomping feet!

Graphics

828 CAMERA

This disk contains a dozen short programs that produce stunning graphic images. Check out RIPPLE MAKER's circular wave patterns, or SLIDE SHOW's wildly colorful moire patterns.

P1. SHAKESPEARE, PDE Disk 828

There is also a collection of nine hi-res graphics, including pictures of William Shakespeare and a satellite. Draw hi-res pictures quickly and easily with your joystick. CAMERA contains drawing and painting tools, as well as an airbrush and a brick laying tool.

Music

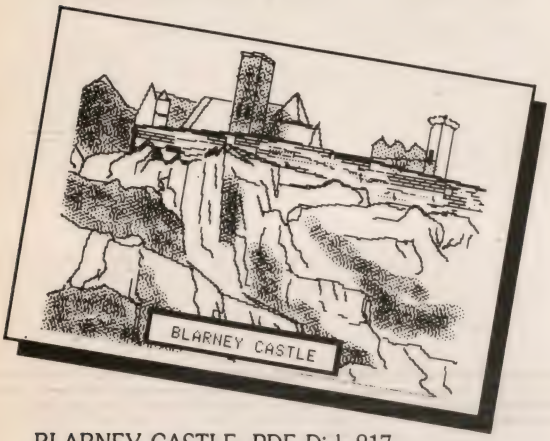
810 Do You Recognize This Song™ Demo

This is a demonstration copy of a complete music recognition and trivia game. Test your skills at answering music trivia, or use your ear to name songs played through the computer. Answering questions right, or correctly identifying a song earns you a cash prize. Popular music of the 50's, 60's, 70's, and 80's is the subject of this game. The trivia and the recognition sections of the game are very challenging and will demand a quick mind and a good ear. If you do really well, you may end up on the top 10 list of scorers. An Apple with 64K, and a passion for popular music is required for this game.

817 Irish Music

Those of you with Irish ancestry will be especially interested in this musical collection. Seventeen Irish folk songs with pictures to go along with them are included on this disk. While listening to classics like "Londenderry Air" and "Old Erin's Shore," watch an instructional slide show that documents different Irish musical instruments. Be sure to get your copy of this disk before Saint Patrick's Day, because it is sure to be the hit of

any party. The video jukebox program that plays the songs also allows you to connect your Apple to an amplifier via the cassette connector for exceptional sound quality.



BLARNEY CASTLE, PDE Disk 817

Programming

812 BUILD A PROGRAM

This disk will allow you to generate a BASIC program using database routines of your specification. With an advanced knowledge of BASIC, you can create sophisicated database management programs without having to write the raw file management routines. BUILD A PROGRAM will ask you for the desired file characteristics, then creates a BASIC program with routines installed for file manipulation. All you need to do is program your own interface and control routines into the program. A sample inventory management program, as well as full documentation is included to help you. Not meant for novice computer users, users should have a good knowledge of Applesoft BASIC, and knowledge of database management methods.

819 A-DOC

A-DOC is a programmer's aid for preparing documentation of Applesoft BASIC programs. For any program, A-DOC finds all variables, functions, ampersand calls, GOSUBS and CALLS, and PEEKS and POKES. It does an XREF to find the location and the number of times each item was used. The programmer can also include a brief explanation on the usage of each item in the program, using a full-featured text editor. A handy Help window of editing keys is available while using the text editor. The resulting documentation is saved as a text or binary file and can be printed out on most line printers. If you should decide to update the documentation at a later time, A-DOC completely updates the XREF line numbers, flags unwanted items so that they can be purged, and inserts new items in alphanumeric order.

Author: Robert Merrill
Shareware Donation: $15
(send to author after purchasing from PDE, author's address is on disk)

Utilities

822 APT-Zap

If you've ever wanted to take a close look at one of your ProDOS disks, but didn't know exactly how to go about doing it, then APT-Zap is for you! APT-Zap is basically a sector editor for ProDOS. This program allows you to look at and change any or every bit and byte on the disk. This is useful in repairing files, especially those

which have had their VTOC destroyed. Also, this allows a user to replace bad sectors of a disk and even to change certain values of programs, such as to achieve more lives on a favorite game. This is not for novice users, as it does require a great deal of knowledge about the disk format and how it operates. But for the experienced user, it can be the answer to your prayers!

823 DOS DESIGNER

Annoyed at those error messages constantly being repeated every time you make a mistake? Well, now there is a way to change all that! DOS DESIGNER allows you to change every message of the DOS you normally use, letting you customize some or all of the disks you own. This feature also includes the file type character, which allows the user to mask the file type. Also, this program allows the user to add his own personal serial number to his disks. But by far the most useful portion of this disk is the VTOC relocator, which allows the user to move the catalog track from track $11 to any other track on the disk, thus preventing any tampering with his personal files. While this disk can be used to create witty messages, it is also perfect for protection of private disks; the theory behind it being, if a hacker does not know the basic commands, how can he break into the System.

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($3.50 a disk!)

if you order before June 30th.

Write membership ID here:

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Clip this coupon to your order

Here is a recap of disks reviewed in previous bulletins.

Note: Some of these disks may contain shareware programs. All shareware software in our library contain the name and address of the author and the amount requested, on-disk.

Art

007 Tom's Tool Kit: Create fonts in choices of sizes and colors.

023 Draw using keyboard or joystick — fill areas in 23 patterns (shareware, $10, pay to author after purchasing from PDE).

704 Best of Art — display phrases on banners, move shapes from a shape table, merge screens, add text to screen, fill in w/color.

754 Draw hi-res and color pictures. Combine, invert, and print graphic files. ***★Best Seller***

796 A diversity of pictures from Brook Shields to the Space Shuttle, to Star Trek's USS Enterprise. Also a microscope and the Statue of Liberty.

Astronomy

033 Tutorial — positions of planets, zodiac signs, phases of the moon. ***★Best Seller***

Aviation

788 Ground Instructor FAA Written Exam with 200 of the actual questions.

789,790 150 sample questions found in the text of the book "Aerospace: The Challenge."

Business

038 Business/Home Management: Checkbook balancer, calendar, metrics, calculator.

053-054-055 PDS* Base: Database system, w/documentation (shareware, $25, pay to authors after purchasing from PDE) (3 disk set).

056 Bank'n Save: Checkbook program, prints,with doc. (shareware, $10, send to author after purchasing from PDE).

404 Family financing — amortization, phone, and shopping lists.

406 Address and phone number database system. Create, edit, and load files; sort records; or print address data on envelopes (shareware, $10, pay to author after purchasing from PDE). ★*Best Seller*

701 Best of Business — FILE CABINET database that enters, deletes, sorts, lists and prints records; BASICGRAPH; TREND LINE ANALYSIS.

761 Investments, stock transactions, real estate analysis.

777 CHECKWRITER: balance your checking account with reports for budgets and overdue transactions. Requires 256K RAM.

804 DB SENIOR is an extremely powerful database with spreadsheet functions. Create any number of files to be sorted or merged. Fields may be deleted or modified; the record order can be flipped. Three searches — linear, binary and complex.

CAD

310,311,312 Full-featured CAD program with graph plotter plus documentation. Needs print-plotting program, i.e. Beagle Brothers Triple Dump to print. Will not run on a II Plus (3 disk set). ★*Best Seller*

Communication

267,268 Magic City Micro BBS — Set up your own bulletin board. Full-featured Demo version (shareware, $39.95, send to author after purchasing from PDE, 2 disk set).

771 KERMIT file transfer program utilizing the Kermit transfer protocol. For Hayes™ compatible modems.

Education

064 Best of Education: Math drills on basic functions and fractions, lessons on musical notes, synonym test, speedreading, vocabulary drill, memory building exercises, and Name the States drill. ★*Best Seller*

066 Teacher's Aids: class grader, grade averaging, make and print tests.

069 Spelling and math games, guessing game using geographic names, advanced fractions, number sequences, states and capitals, and metric conversions. ★*Best Seller*

084 MIND GAMES: "whodunit" game; word guessing game.

085 Basic math: 23-level drills on basic math functions, operands, fractions, and word problems. For ages 6-12. ★*Best Seller*

089 French Verb Tutor — Tutorial and drills, complete w/documentation.

090 French Noun Tutor — Five lessons of increasing complexity, complete with documentation.

515 Reading Fun: reading selections for everyone, control speed at which the text is displayed.

517 SPELLING TUTOR: for teachers and students. Create your own speller set, add words, edit it (shareware, $20, pay to author after purchasing from PDE).

518 Expand your vocabulary with VOCABULARY DRILL. Prevent the meteor from smashing your spacecraft by correctly answering science questions in TECHNO-TRIVIA. Observe gravitational and atmospheric changes of the planets in our solar system in VOYAGE TO THE PLANETS (shareware, $20, pay to author after purchasing from PDE). ★*Best Seller*

702 Best of Education — DUNGEON OF ARBEGLA algebra game, roots and prefixes, Hangman. ★*Best Seller*

764 Generate a class exam grade report, create a class roster, and keep track of test scores. Also four-level math drill.

767 Innovative speedreading disk where the user controls the speed of the passage and size of the passage window.

768,769 Grading utility for teachers. Print out grade reports, keep track of students' assignments, can use AppleWorks for the gradebook template, (shareware, $9, send to author after purchasing from PDE) (2 disk set). ★*Best Seller*

787 Test your knowledge of South America with tons of facts, info, and trivia.

792 Identify states by shape, identify time periods in US history such as presidents, literature, government, and military. Also a French language tutor.

801 LARGE-TEXT JOYREADER enhances the letters on the screen to a full half-inch (36 points) and proportionately spaces them across the screen. Also includes eight stories for children.

Electronics

753 Design and test your own electronic circuits, make a loop antenna.

Food And Nutrition

092 Food and Nutrition: Calorie counting, recipe files, life expectancy, nutrient values.

Games

118 Defend your ship in ANDROMIDA, play SPACE SHUTTLE.

123 WORLD WAR III, STAR TREK, WIZFIX.

125 TERMINAL BOREDOM — Unique adventure game.

126 ANTI-GRAVITY: PacMan-like game.

127 DEFENDER: one of PDE's best games — rescue the astronauts from vicious aliens. Defend the French shoreline from paratroopers, shock troops, and tanks in D-DAY. Also has two Space Invaders-like games (requires joysticks).

131 Electronic jigsaw puzzle — select from ten hi-res color puzzle pictures.

703 Solitaire, pinball game using paddles or joystick, StarTrek game.

750,751 FIREGROUND: Fight fires in this graphics adventure game. Play mode switches to arcade-style (Disk 751, requires joystick) after you gain seniority. (2 disk set)

752 Battle for control of countries in WORLD WAR, or rescue the First Lady from KONG. Also a word game and an adventure game.

757 Recover the "Ring" from the Mines of Moria, or find the pirate's treasure in a text adventure game. Also BOWLING and a dice game.

758 Get lost in a maze of your own creation, destroy invading aliens, or bet on the fastest horses in the world.

774 Twelve simple games for toddlers ages one to five that teaches the alphabet, counting, color pattern differentiation and recognition, and hand-to-eye coordination (requires joysticks). ★***Best Seller***

775 In DRAGON, save the King from a werewolf bite. Five more humorous original adventures.

783,784,785 Helps Dungeonmasters create, maintain, and guide players through Dungeons and Dragons™ scenarios of their own creation (3 disk set). ★***Best Seller***

786 US WAR pits the east versus the west in a war for independence. Race your way to glory in GRAND PRIX, or win the Olympic gold in SLALOM. Battle a sub in SUBMARINE or shoot at a target in GUNNER. Also CONCENTRATION, ROULETTE, LUNAR landing game, and more. ★***Best Seller***

797 Travel the TEN planets, buying and selling goods while watching out for hostile ships and the police in PLANETARY TRAVEL.

798 Save the wizard Amtai in the medieval fantasy adventure game MONTALGO. Fight evil and receive glory. Great for D & D players!

806 MYSTERY HOUSE — the first Apple graphic adventure game — pits you against the Unknown. Find out who the murderer is before he/she gets you.

807 You are a special agent. Your assignment is to fly to the island controlled by the evil Futz Empire and capture or kill Lord Futz. You'll need to be cunning to fight off his 100 armed soldiers!

Music

185 Music: Build an Apple organ; metronome, sounds, write songs.

186 Music Maker: Compose, edit, and play your own music (shareware, $10, pay to authors after purchasing from PDE).

Passion

190,191 X-rated graphics, several cute programs and games. Adults only (2 disk set). ★***Best Seller***

Pastime

192 FAMILY TREE SURGEON — maintain genealogical records, with instructions.

203 Video Librarian to catalog any collection (shareware, $10, pay to authors after purchasing from PDE).

756 Lengthen your lifespan, measure your responses, or generate random aphorisms.

808 Keep an accurate catalog of books in your library using the Dewey Decimal System (shareware, $10, send to author after purchasing from PDE).

Programming

765 Info on I/O errors, read/write, and other disk functions.

782 EDIT PRO is a global program line editor for Applesoft BASIC (shareware, $20, pay to author after purchasing from PDE).

Science

705 Best of Science — molecular structure of organic compounds and their isomers, gravitational acceleration, nuclear power reactor simulation.

Tutorials

000 BASIC tutorial, machine language disassembler.

280 Programs in machine, assembly, and high-level languages.

Utilities

213 Best of Utilities: Diskcat, Krunch, Disk check, Fastboot Create, Diskmap, Memory dump.

244 Thirty useful disk and programming utilities.

706 Best of Utilities — CHANGE DOS COMMANDS, FILE CONVERTER, print filenames on your disks alphabetically.

759 Print labels on Imagewriters and Epson printers. Catalog the files on all your disks.

760 EXCIT: a BASIC extender that allows text files to be viewed from within DOS 3.3 Applesoft BASIC, also DISK SPEED TEST.

763 Programming utilities: 32 sample routines to format text in your program.

770 Graphics designer for ASCII Express™ lets you create "text graphics" for screen or modem.

778 Do-it-all program selector for ProDOS disks. Launch, delete, load, lock, change drives, and view and print text files with the touch of a key. Copy files quickly, format disks in 10 seconds, or pack and unpack files.

779,780 YO YO DUCK DIAGNOSTIC PROGRAMS: Diagnostics for any Apple II Computer — tests for drive connection, color, sound chip, speaker, printer and memory. Also disk cleaning program(2 disks, shareware, $5, send to author after purchasing from PDE). ***★Best Seller***

781 Apple II and II+ DIAGNOSTICS: Tests for motherboard ROM, Integer card ROM, RAM, Micromodem II, disk speed calibration, monitor, lo and hi res graphics, sound, and paddle.

791 Five selectors — NOCLK.STARTUP, RAMSELECTOR, WINDOW, LAUNCH.2PLUS, and PRODOS.MENU to help you make sense of your disk's files. DDD.PRO1 is a disk packer that compresses files to save space and time in uploading or downloading.

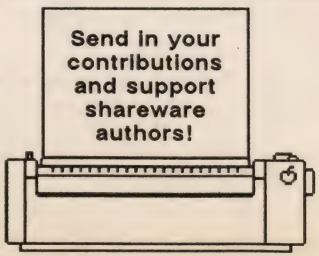
802 Three programs to back up copy-protected software, four programs to get your Gemini and Epson printers set up correctly, plus a banner maker, and a text-file editor.

805 DATASHEET for data entry, manipulation, fitting, and plotting. Gives six columns, each with 160 entries, and eight pages to enter data. Perform statistical analysis on data; perform a variety of arithmetic and trigonometric functions; add, subtract, multiply, and divide entire columns.

Word Processing

037 Freewriter: full featured word processer, prints (AppleII+ needs paddles or lower case capability).

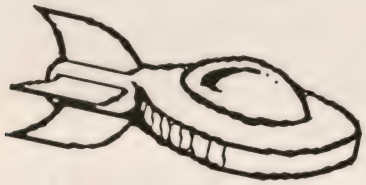
419 Zipscript II: Professional looking documents on your Apple II. For IIe, IIc, and II Plus. ***★Best Seller***



DISK 257

C·O·N·T·I·N·U·U·M

Shareware has provided many excellent games for the Mac. Billiard Parlour, Zero Gravity, Megaroids, Social Climber, and Air Traffic Controller are just a few of the shareware gems that we are fortunate to have at an affordable price. And then comes CONTINUUM. This space maze shoot-'em-up game provides thrill and excitement as your spacecraft fires at enemy positions while traveling in hyperspace. But the similarity with other space games ends here. With CONTINUUM, you can create the environment to play in!



Create a "galaxy" which is composed of several "planets," by using the Tool Palette (yes, just like MacPaint) of the Planet Editor. Use the wall palette to configure the walls making up the maze. Choose from three types of walls: one that destroys the ship upon contact, a bouncing wall that does not harm the ship, or a phantom wall which does not affect the game at all but is there just to confuse the player! Position enemy guns at will, two kinds of which may be be set up — one that fires missiles and another which radiates a magnetic field that attracts or repels the spaceship. The frequency of firing and firing angles can be defined according to the desired level of difficulty. Intersperse fuel stops at a few locations just in case fuel runs low. The size and width of the planet can be specified as well as the

. . . as your spacecraft fires at enemy positions while traveling in hyperspace.

force that acts on the spaceship as it travels in hyperspace. The Planet Editor allows you to create as many planets or galaxies as you want. You may also transfer planets from one galaxy to another.

To play this game, use the keyboard to maneuver, thrust, or shield the spacecraft as well as to fire missiles. Controlling a spaceship in hyperspace is not as easy as you think! Points are scored when you hit enemy guns. But watch out for your fuel level. If you are successful in eliminating all enemy guns in a planet, you are now ready to go to another planet for another mission.

The authors of CONTINUUM have come up with a unique variation of shareware. It's called "beerware." You guessed it — send a case of Buds or Coors or its cash equivalent if you like the game.

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Borders: Twenty-nine intricate borders for decorating your documents are on this disk. Arabesque looks like a Persian rug while Japanese has huge interlocking squares. Also included are starburst patterns, art deco borders, French-style and Greek key-style patterns.

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$9 per disk

Communications

255 TERMTALK

TERMTALK is a TTY terminal communications program that speaks to you. Instead of just printing text from your modem hookup, it actually vocalizes the messages to you so that you can listen to the messages, instead of reading them. The speech rate is adjustable and you can turn it off if you want a quiet session. Included in the folder is Macintalk, an Init that synthesizes speech for TERMTALK and other programs that have speech capability. Also included is a terminal program that supports Japanese characters, a VT100 terminal program in DA form, and several Red Ryder procedures.

Desk Accessories

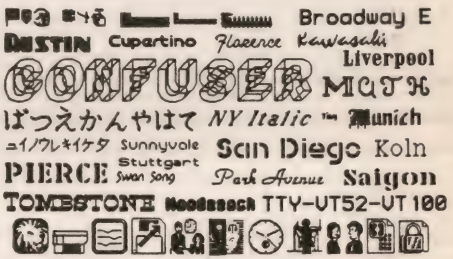
273 SMART QUOTES

Some of these DA's are meant to increase the Mac user's productivity and others are there just to be enjoyed. QUICK LABEL DA prints mailing labels quickly and conveniently, while SMART QUOTES converts the regular quotation marks of most word processors to the more appropriate open and closed quotes. WRITE→TEXT converts any MacWrite file to an ASCII text file, while WORD DA provides an easy reference guide to WORD commands. TILER is a handy DA if you are working on multiple documents that you want to view simultaneously. CAMERA takes a picture of the screen after a preset period of time, no matter what you are doing with any application. DESK ACCESSORY SAMPLER is included to let you try out these DA's without having to install them.

Fonts

251 TOMBSTONE

This disk contains 32 fonts for you to create with. Some of the more interesting fonts include the funky Woodstock font, the slick Sunnyvale font, and some other useful ones including Tombstone, Swan Song, Tiny, and a font specifically for terminal emulation.



Games

256 SCEPTRES

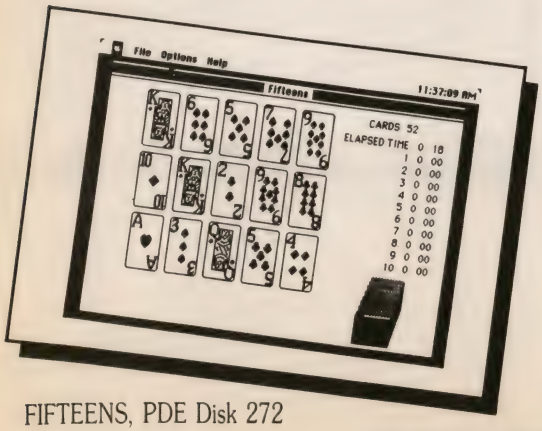
The King has given you a dangerous quest! You hear doors creak, keys jingle, trumpets sound, and swords clank in this graphic adventure game. Move throughout the land using compass points with either the keyboard or by selecting your commands from a pull-down menu. The key to solving this game lies not only in winning battles against dangerous monsters, but solving puzzles and overcoming seemingly impossible obstacles. The graphics in this game are crisp and clear, and the animation smooth! This is the adventure game you've been looking for, the one that will keep you up for nights on end!

271 DYNASTY OF DAR

Your mission is to stop Dar and his evil cohorts who have been terrorizing the innocent people of the isolated town Rheged. Before setting out on this adventure, go to the town's armory and water shop to pick up protective gear and supplies. After getting the blessings of the town's mayor (who else but good old Ollie North!), you are now ready to perform this monumental task. Beware! The Horned Dragon is laying an ambush as you make your way through the dark, uncharted forest. Also on this disk is WOLFPACK, a sea battle strategy game in DA form, the King Albert's version of Solitaire, and a version of the popular dice game YAHTZEE.

272 BOUNCING BALLS

Are you "dull, self-righteous, forceful, or annoyingly obstinate?" Find out from NAME ANALYZER, one of the amusing programs on this fun and games disk. Type in your name and confirm your worst fears about your personality! BOUNCING BALLS is a Crystal Quest-like game in which you must pick up the glowing coins to earn points without hitting bouncing balls and barriers. In FIFTEENS, a unique card game, your goal is to discard all of the cards in the least amount of time. Discard kings, queens, jacks, and tens in quartets and the lower cards in batches of fifteen. FIREZONE provides you with a tank to shoot at apples and mines using your keyboard. And just for plain fun, TALK TO ME speaks words that you type on the screen.



FIFTEENS, PDE Disk 272

Sounds

246 ALL DECKS ALERT

Included on this disk are sounds like the red alert announcement from the Star Ship Enterprise, Neil Armstrong's historic declaration upon landing on the moon, famous lines from "2001: A Space Odyssey" (Hal saying "I'm sorry Dave...") and funny lines from "Monty Python and The Holy Grail." These realistic sounds can be altered by changing the sampling rate.

Utilities

274 ANTI-VIRUS VACCINES

Computer viruses are masterpieces of demented individuals. Harmful or not, they have caused fear and anxiety among many Mac users. This disk is a compilation of programs that detect and destroy viruses. Donald Brown's VACCINE, a CDEV that watches for attempts by viruses to modify files, is regarded as the best general purpose protection against viruses. INTERFERON

complements VACCINE in that it tells you if a file has already been infected. Other "vaccines" are antidotes to two known Mac viruses. ANTIPAN, ANTIVIRUS, VACCINATION and ASSASSIN detect, remove and immunize Systems from the "nVIR" virus. FERRET, VIRUS RX, and KILLSCORES scan drives for files that are infected with the "Scores" virus and remove it. Also included is a very informative file about viruses — their nature, how they are spread, and how to avoid or remove them.

Videoworks

263 MAX VIDEO

MAX VIDEO is a self-running demonstration of 3-D animation on the Macintosh using Videoworks™ and Pro3D™. Boot up the disk, and sit back and enjoy the fascinating three-dimensional animations ranging from birds to maple leaves. This short computer movie is perfect for showing off your Mac to your friends. Or if you are a computerized art lover, you won't be able to watch it enough yourself. All of this is contained on one double-sided disk which will only run on Mac Pluses, SE's and 512 E's.

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PDE's "**Best Of Macintosh Set**" has a little something for every Macintosh enthusiast. On six 400K disks you'll find PDE's best applications. You get our best fonts, graphics, utilities, DAs, games and more. "**The Best Of Macintosh Set**" makes a great starter kit for the new user, or a welcomed addition to any collector's software library.

Disk 204 offers our best ImageWriter fonts, like **Beverly Hills** and **Princeton**. Disk 203 has the best MacPaint and MacDraw pictures, **Clipboard** art, StartupScreens, animations and more. Utilities from Disk 205 allow you to speed-up disk drive access, **create icons**, catalog your programs and more. Disk 206 features twenty-six useful DAs. Take a break from the action with Disk 207, our best of games disk. With Disk 86 you'll find a potpourri of more great applications available from PDE, including **SERVANT**, the famous Finder alternative.

ONLY $29.95

Following is a summary of our more popular disks.

Note: Some of these disks may contain shareware programs. All shareware software in our library contains the name and address of the author and the amount requested, on-disk.

Best of Public Domain

86 Twelve programs top-rated in MacWorld 8/86 issue: Utilities (SERVANT), games, DAs, FKeys, telecommunications. ★*Best Seller*

Business

135 Best of Business: loans, A/R, depreciation, more.

236 BIPLANE: powerful spreadsheet application; complete program with a Desk Accessory to execute worksheet modules.

237 AMORTIZE computes the amortization schedule of a loan. Also comes with CHECKSPAK, a checkbook tracking program. ★*Best Seller*

Communications

29 Red Ryder with documentation (shareware, $40).

254 NOVA LINK BBS is a complete tree structured BBS containing login procedures, password protection, mail protocol up/download, instructions.

Desk Accessories

102 Best of DA's: Terminal emulator, utilities, games, etc.

206 Best of DAs — 26 DAs, including ARTISTO, which incorporates MacPaint graphics with MacWrite documents easily; also SAVIOUR.

Desktop Publishing

25 Print banners with up to 8" letters, MacPaint pictures, and utilities. ★*Best Seller*

76 Be your own desktop publisher! Here's forty PageMaker™ templates for biz cards, certificates, stationery, diplomas, greeting cards, and more for use with your PageMaker™ (version 1.0 or lower) software.

Education

109 Typing Tutor, Project Outliner, U.S. Geography.

114 Create geographic maps or schematic drawings (shareware $17), more.

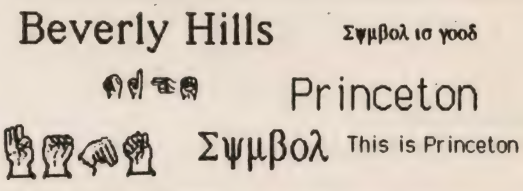
176 Alphabet tutor that talks, for preschoolers, (shareware, $10), SPELLING TUTOR, SHAPE ART (shareware, $5).

Fonts

81,82 Forty-six exciting new fonts; Alexis, NY Nights, Tiffany, (2 disk set).

95 Princeton — LaserWriter font for scientific or math equations; American Sign Language.

133 Beverly Hills: Sharpest ImageWriter font. ★*Best Seller*



252 FONT FINDER displays all your fonts quickly including sizes and ID numbers. FONT LIBRARIAN lets you display fonts before you decide to use them. Also FONT/DA SORTER, FONT SQUEEZER, and the popular ALDERNEY font.

Games

103 Best of Games: MEGAROIDS, BILLIARDS, ORION, more.

156 Save the cities and military bases from ICBM's and alien attackers in MACMISSILES. Rescue the helpless astronauts in MACLANDING. RACE CAR SIMULATOR is a fast-paced race car driving game with a choice of six race tracks including the Indy 500. Also Mac versions of Klondike solitaire, and Yahtzee. ★*Best Seller*

164 Multilingual game — SNAKE-BAR for French, English, Spanish, German, Dutch, etc. (shareware, $15).

207 Best of Games II: Try to stay in the center of a chamber while resisting the forces pulling you towards the walls in ZERO GRAVITY. Realistic slot machine and blackjack game in BILL's CASINO, shooting down ducks and geese in DUCKHUNT. Also MACMISSILES and MACLANDING. ★*Best Seller*

210 Avert a major mid-air collision with AIR TRAFFIC CONTROLLER.

217 You are the only one who can free the Lands of Mahid — for you are KARTH OF THE JUNGLE. Comes on an 800K disk.

231 MACPENTE — try to get 5 checker chips in a row; 3D CHECKERS, BLACKJACK, and MACCASINO — including Slot Machine, Roulette & Chuck-a-Luck.

232 BIRD RACE is like a horse race game — only with flying birds! Travel to the center of the earth and try to make the difficult JOURNEY back (shareware, $5). Battle interstellar pirates in a limited version of PLEIADES INCIDENT (shareware, $12).

233 MACTREK: Save the Federation from the dreaded Klingons; Coach the 49er's, Bears or any NFL team to victory in MACFOOTBALL; Make up as many 4-letter words in MACWORD HUNT. PEG PUZZLE PAK is a thought-provoking strategy game.

Genealogy

215 MACROOTS : Create and edit a database of your family lineage, and view relationships in a family tree.

Graphics

104,105 Borders to decorate stationeries, awards, certificates, etc. (2 disk set). ★*Best Seller*

172 Desktop publisher's kit — MacPasteUp images, instructions, and 6 fonts.

190 19 handrawn paintings of fantastic creatures, Disney characters, and famous cartoon figures.

203 Best of Graphics: The best selections of MacPaint and MacDraw pictures, Clipboard art, borders, StartUpScreens, and animations from the PDE library, like FACES, which has over 140 faces displaying the entire range of human emotions. ★*Best Seller*

Music

40 Music Maker: Compose your own music; Smooth Talker demo also included.

Nudes

49,65,66 Girls! Girls! and more girls! Adults-only digitized pictures — three of our hottest disks (3 disk set).

200 You are invited to a peep show where China Doll and her friends perform live! Then view ten nude pictures including FUN-LOVING TRIO, IN THE DOG HOUSE, SEXY FAIRIES, and CLOSE FRIENDS. ★*Best Seller*

202 Amuse yourself with these adults-only pinball games! ★*Best Seller*

Programming

195 Simple Tools: C Language libraries.

201 Best of Programming: C compiler, C subroutines, software engineering diagram generator.

Sounds

209 17 sound files including chimes, crashing sounds to use for StartupSounds or error beeps.

Utilities

6,89 ResEdit: Manipulate text files and customize resource files; with doc. on disk, (2 disk set).

196 AUTOBLACK INIT — our best ScreenSaver (shareware, $5) HARD DISK BACKUP for full and incremental backups of hard disk, HARD DISK RESTORE.

205 Best of Utilities: disk cataloger, RAM DISK, ICON COLLECTOR, VIEWPAINT converts MacPaint pictures to StartupScreens and vice versa.

261 Disk Recovery Utilities — FILE FIXER reconstructs damaged files; DISK FIXER is a guide for repairing damaged disks; VERSION SLEUTH reads hidden info in application files; SCSI TEST; MOUNT ANY HARD DISK; COMMENT EDITOR.

262 CATMAKER — a cataloging program that quickly reads even the largest hard disk directory into a format that you specify, consisting of nearly any file parameter. Only one disk can be read at a time, though directories may be appended onto others. LABEL IT! is a layout for printing 3.5″ disk labels (requires SuperPaint™).

WE'RE STACKED TO MEET YOUR NEEDS

With A Special HyperCard Set Featuring Six Full Disks of Our Most Popular Programs!

PDE's new "Best Of HyperCard Set" gives you 85 stacks (six 800K disks) of popular applications designed to meet all your HyperCard needs. Here's what you get!

HC1 Business — Sales and Payroll: Monitor sales volume and payroll costs. Set up a billing system, and a monthly scheduler. Make callers think you have a private secretary with CALL SCREENING.

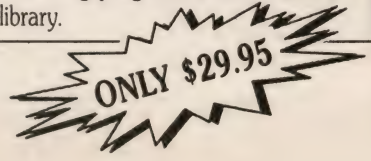
HC7 Utilities — FULL PAGE PAINT: Copy from stack to stack, and even sample sound resources. DEPROTECT STACK and HYPERZAP are two protection crackers. FULL PAGE PAINT allows HyperCard graphics to be spread across two cards, yet be printed as one picture.

HC24 Personal Productivity — HYPERDEX: Keeps track of appointments, phone numbers, and personal finances. Use TEXTWRITER as a word processor when in HyperCard and later paste it to MS Word or MacWrite. Also a client database, spreadsheet for expenses, and a book/software library organizer.

HC25 Personal Productivity — HOME DESK: A Home stack alternative that looks like a classic roll top desk with a hidden safe. HYPERALARMS sets up alarms from within HyperCard to alert you of things to do. Also, the critically acclaimed stack, YETANOTHERMINIFINDER which provides a quick method of pasting application and file icons onto a stack.

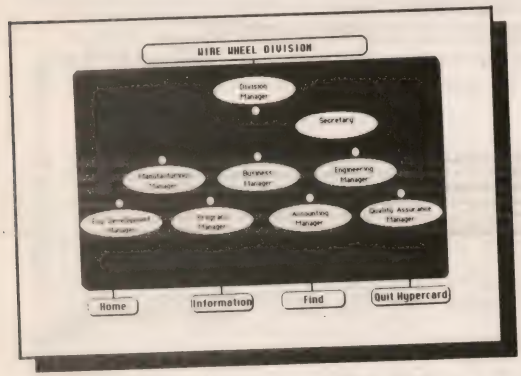
HC26 Education — FLASHCARDS: Improve your child's reading and math skills. LAURA'S LETTERS spells the word using digitized sounds of each letter. Both FLASHCARDS and SPELLTEST pronounces the word and asks the child to spell it. Also includes basic math and reading skill developer.

HC35 Home Productivity — SHOPPING LIST: Set up a SHOPPING LIST that works with a COUPON organizer. Also, keep track of your checkbook, gas and electricity bills, bowling scores, weight training program, and the books in your private library.



HC40 MAITRE D'

These stacks will bring order to the daily activities of corporate managers, restaurant owners, scientists, travellers, even farmers. DB IMPORTER imports any ordinary text file with fields that are separated by tabs and carriage returns and organizes it into a database file. MAITRE D' comes in handy for restaurant owners in tracking down reservations made by customers. ORGANNEL CHARTS provides templates for generating organizational charts with personnel data linked to each element of the chart. INVENTORY has inventory control cards that monitor a company's inventory position, while SCIENTIFIC SOFTWARE STACK is an index of available scientific software for micros. Other



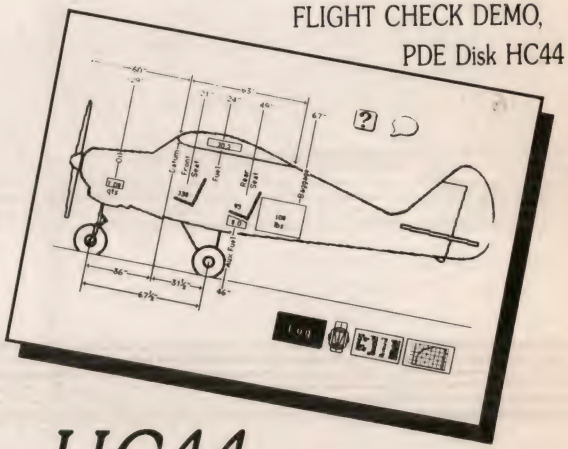
ORGANNEL CHARTS, PDE Disk HC40

stacks time and log phone calls, provide visual aids for implementing a plan, convert scientific measurements, record the expenses in a plantation, find the time in major cities around the world, and more.

HC42 WINDOID

HyperCard is often referred to as a software erector set, allowing you to create almost anything you want, from animation sequences to databases. One interesting application of HyperCard is to use it to do an electronic newsletter. WINDOID is one such newsletter, produced by the Apple HyperCard Users Group (AHUG). Get the latest tips on programming in HyperTalk, see examples of well-done scripts, and even give input about what you want to see in HyperCard. MACDIGEST! THE STACK covers a broader range of topics than HyperCard, featuring rumors and news from the Mac world, and technical tips on the Mac — like how to live with MultiFinder, the joys of backing up your hard disk and other fun stuff.

FLIGHT CHECK DEMO, PDE Disk HC44



HC44 TEXAS

TEXAS provides easy access to great volumes of information that we are able to generate like personal correspondence and technical reference manuals. TEXAS reformats and restructures these files for easy access by creating an inverted index to every word in the files. Also on this disk are two stacks to aid the pilot — AIRPORT, which keeps an airport log of all flights including estimated times of departures and arrivals, and fuel consumption; and FLIGHT CHECK DEMO, which has a fully working program that calculates the weight and balance of a light plane and two demos on flight planning. And for the adventurous, HYPERTRIP and ESPERTISE are journeys to the unknown.

Here is a recap of disks reviewed in previous bulletins.

Note: Some of these disks may contain shareware programs. All shareware software in our library contain the name and address of the author and the amount requested, on-disk.

Business

HC32 Sampling of Desktop Publishing, Clipboard Art, a presentation worksheet, investment-tracking programs, and more.

Communication

HC3 HyperBBS, BBS lists, terminal programs.

Education

HC6 Electronics, history, chemistry, biology, FINGERSPELL teaches American Sign Language.

HC26 Improve your child's reading with FLASHCARDS and SPELLTEST, more. Requires MacinTalk (available on disks 155, 164, or 176).

Games

HC38 HYPERQUACKERY: you have three minutes to make as many three or more letter words from a set of dice as you can. JILT: medieval jousting.

Graphic Utilities

HC41 Make animation in HyperCard — create an image, store it, and then edit it to reflect the next frame in your animation sequence. Two graphic animation samples and some sound files are included.

Nudes

HC15 WILDBOY — 30 photos of women setup in a magazine format complete with centerfold. X-rated, adults only.

Personal Productivity

HC24 HYPERDEX: card stack that lets you sort by company, last, or first name. Use HyperCard as a word processor in TEXTWRITER, and more.

HC25 HOME DESK can replace your Home stack with a desk like one from your home. ***★Best Seller***

HC28 MACHELP has hints and tips for the beginning user. ***★Best Seller***

HC37 DADDY BIG BUCKS lists purchases and notes about them; HYPERRESUME helps you prepare resumes; INSURANCE RECORDS: record household items; HYPERRESEARCH: organize data.

HC39 For those of you who enjoy eating out but also care about nutrition, this disk is a must! RESTAURANT GUIDE lists restaurants by food type, cost, address, and also comments on the service. RECIPE BOX gives 15 categories of dishes. VITAMINS lists important information on vitamins.

Programming

HC19 Tools for Stackware developers: MENUS FOR HYPERCARD, POWER TOOLS, and a button that creates another card as a stack.

Science

HC17 Astronomy, NEW PERIODIC TABLE, BEGINNING GREEK, animal and plant kingdom.

Sounds

HC27 Everything from Beethoven's symphonies to a baby's laugh. Use with SOUNDCAP MOVER and TALK TOOLS (included on disk).

HC36 Hear Bogart say "Here's looking at you kid," Trek sounds like transporter phasers, CHORDS from famous symphonies like Beethoven's 5th and 9th. SOUNDS A PLENTTY.GENIE stores many types of sounds and helps keep track of which sounds you've got.

Utilities

HC7 Stack protection crackers, resource copy program, FULL PAGE PAINT.

HC43 WORKSTATION replaces the Home stack and gives the ability to launch programs and open files from within HperCard. VISUALSTACK displays all the visual effects that HyperCard can do.

CAD

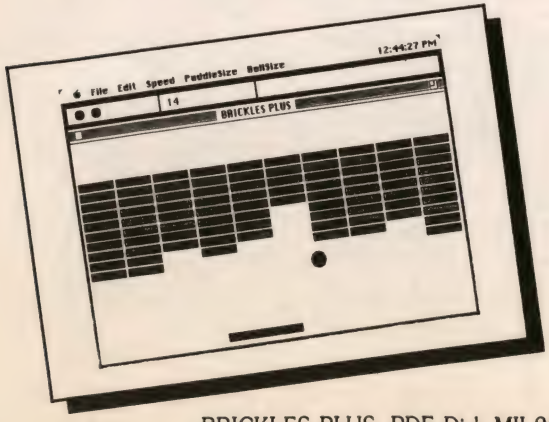
MII 24 LAYOUT DEMO

This is an operational demonstration of the Douglas CAD/CAM printed circuit layout system. Only the Save function is disabled. Included are many spectacular demos of the program's capabilities. This is a true professional PC design tool that is on par with sophisticated CAD systems. It is a splendid example of what a Mac II can do.

Games

MII 26 SEAHAVEN TOWERS

Colorful Mac II games that are pleasing to the eyes and fun to play! SEAHAVEN TOWERS is a unique solitaire game that requires advanced planning and good strategy for you to play it to completion. The card deck is dealt face up, ten across and five deep. Since you have to uncover a card before you can play it, you may place a card on top of the next higher card of the same suit or put it on an empty "tower." BRICKLES PLUS is a challenging Breakout-type game that gives you the option to resize the game window, to select from four speeds and to select the ball and paddle sizes. To make it even more difficult, you can place additional paddles at the top and the bottom, or on all sides of the window. Also included is a demo version of CRYSTAL QUEST, a popular shoot-'em-up arcade-type game.



BRICKLES PLUS, PDE Disk MII 26

Graphics

MII 17 MAN ON THE MOON

Mac II images from the fantastic to the bizarre. Try to comprehend the vision of a FUTURE CASTLE, or unravel the mystery of the LIGHTHOUSE. IC FACE looks like a normal IC board, but if you look closely... From outer space, Buzz Aldrin is seen walking on the moon, while Captain Kirk seems to be in a pensive mood. A surrealistic shot of gloves, a brightly colored parrot, and the Japanese MacPaint woman in bold colors bring out the best of Mac II's color capabilities.

MII 20 MICKEY MOUSE

Here are more graphics in IMAGE (Disks MII 3 and MII 9) format for you to manipulate and appreciate. Be amazed at how different IMAGE settings can enhance a graphics file. The photo of a bearded man may look ordinary, but wait till you view it with IMAGE's Pseudocolor option. Mickey Mouse appears in pleasant hues, but using the System Palette option gives another dimension to his personality. Also included is a fractal and multi-colored drawings of the molecular structures of two chemical compounds.

Here is a recap of disks reviewed in previous bulletins.

Note: Some of these disks may contain shareware programs. All shareware software in our library contain the name and address of the author and the amount requested, on-disk.

Graphics

MII 6 Giffer-format graphics from outer space: of Buzz Aldrin walking on the moon, the planet earth, lunar rover, and the Challenger. Also majestic pictures of the Grand Canyon, Eiffel Tower, Monument Valley, and more. ***★Best Seller***

MII 12 Meet thirteen beautiful women. Kymberly is the epitome of the California girl, while Lisa is an innocent-looking brunette. Debra blows you a kiss, Paloma does the Hula, and Denise simply smiles. No nudity, although contains suggestive themes.

MII 13 PixelPaint™ graphics: Opus from Bloom County is back in living color; surrealistic Apple logo; the internal parts of the greatest machine ever — the human body; earth's view from outer space; and the capricious Ferrari.

MII 15 Popular animation character, a colorful picture of Disneyland, a Green Dragon breathing flames, an image from the movie "2010," a picture of the lovely Cheryl Tiegs, plus more.

MII 19 FRACTALS — a collection that displays complex and attractive graphical images of mathematical functions, most displaying 8-bit color, which is user-selectable; displays are printable and saveable.

Graphics Utilities

MII 3 Coloring utilities: add, edit, and analyze color images. Change colors of scroll bars, buttons, windows, etc.

MII 5 More color utilities that perform color screen dumps. Plus fascinating ScreenSaver.

MII 14 View PixelPaint™ graphics without owning PixelPaint; PICTDISPLAY: view PICT files, then transform them into StartupScreens. Also PixelPaint™ graphics: Oliver's non-PC compatible office, and the sensous queen from Egypt. ***★Best Seller***

MII 22 DBW is a group of splendid color graphic ray-traced images converted from VAX and Amiga computers to the Mac II. Source code, written in C, and instructions are included.

MII 23 Vision Lab is a color graphics utility that will exchange various graphic formats such as GIF, PICT, PICT Resource Files, MacPaint, PixelPaint, and ThunderScan images. Other features include MacVision halftone support, grey scale mapping and bit map modification. Comes with complete documentation.

Sound

MII 7 Replace the "Bong!" sound with Fred Flintstone's "Yabba Dabba Doo!" or the Road Runner's "Meep Meep!" and more.

OVER 100 FILES FOR THE MAC II

Now Available in One Special Set!

PDE's **"Best Of Mac II Set"** provides you with 110 excellent files ranging from popular graphics of Disneyland and "2010: A Space Odyssey" to graphics utilities, coloring utilities, alert sounds and more. This set comes on six 800K disks. Here's what's included:

MII 3 Coloring Utilities: Add color to MacPaint, FullPaint and other paint programs.

MII 5 Color Screen Dump Utilities: Replace the missing screen dump Fkey, save color screens and more.

MII 7 Alert Sounds: change the archaic "boing" to "Yabba Dabba Doo!" or "Meep Meep!"

MII 9 Graphic Utilities – IMAGE: A MacPaint like program.

MII 14 Graphic Utilities – PICTDISPLAY: View StartupScreens without rebooting and more.

MII 16 Mac II Color Graphics: Bizzare futuristic images, popular animation characters, digitized Colorado and Southern trains, pictures from Disneyland, scenes from the motion picture "2010: A Space Odyssey," more.

ONLY $29.95

NEW PRODUCTS AVAILABLE!!!

In an effort to provide our customers with more than just great software, PDE is pleased to announce that the following new products are now available. DISK HOLDERS, PRINTER RIBBONS, and MOUSE PADS can now be ordered through PDE. By making these products available to you, we hope to make your shopping for software and other related products a little easier. And as you've come to expect from PDE, our new products will be available at an unbelievably low price.

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Organize your software library and safely lock it away with PDE's new locking disk holders. Available for both 3½" and 5¼" disks, each holder conveniently stores 80-100 diskettes and takes up minimal desk space. Order now and organize your desk today.

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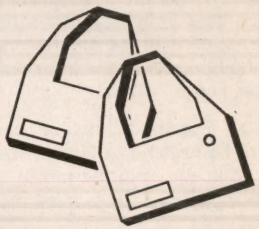
5¼" Disk Holder w/lock (holds 100 disks) ..... **$13.95 ea.**
Order three or more disk holders and save! ..... **$11.95 ea.**

RIBBONS! RIBBONS! RIBBONS!

PDE now has BLACK ribbons for the ImageWriter I,II for only $2.95. That's right, when ordering in amounts of five or more, your price is only $2.95 each. Four-color ribbons are also available at the low, low price of $9.95 each, with no minimum order required. Order now and save.



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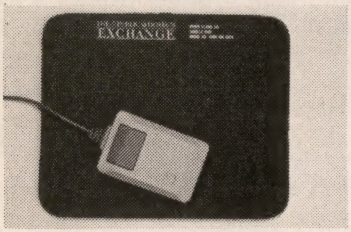

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